

Fig. 1(a)

Fig. 1(b)

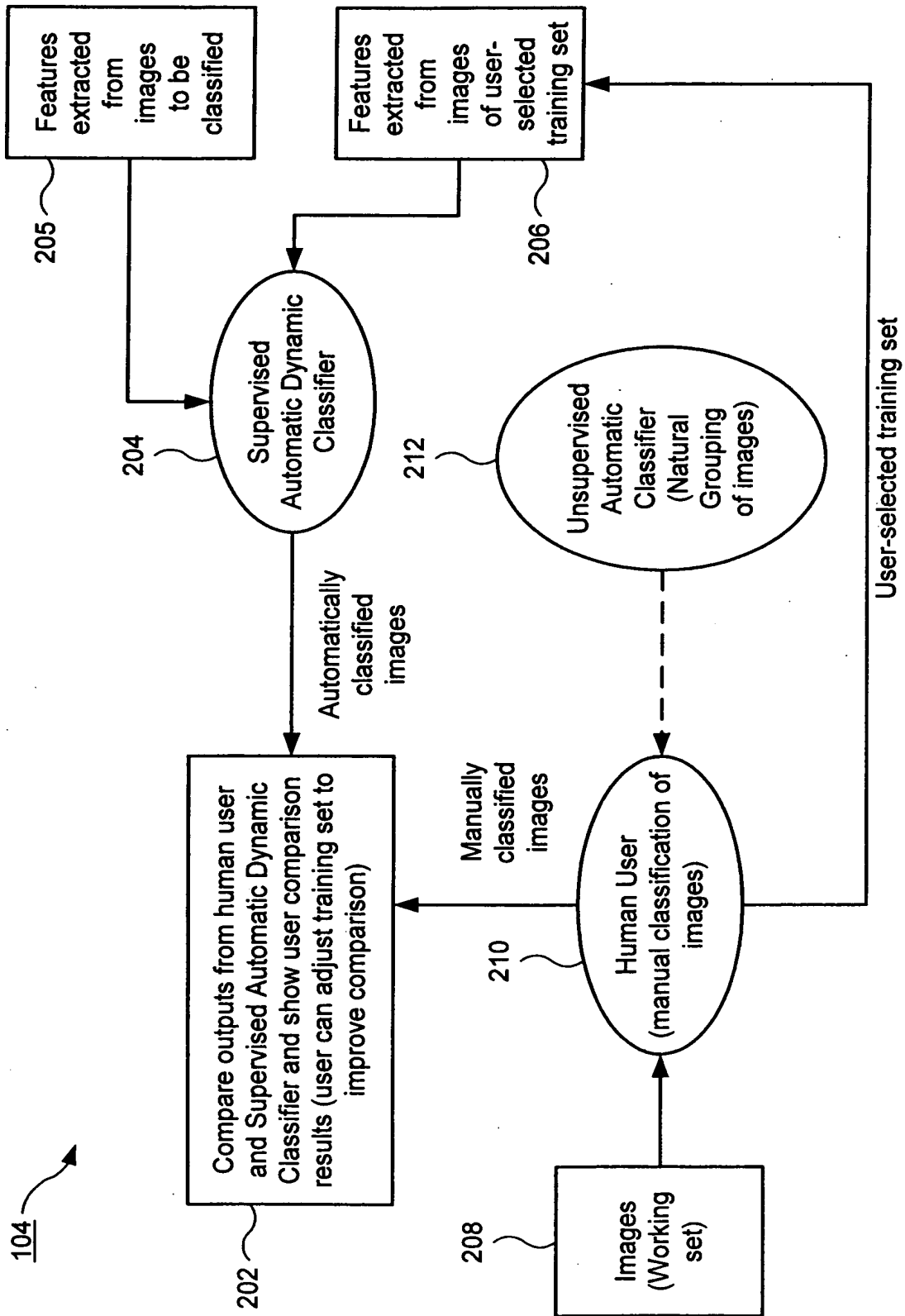
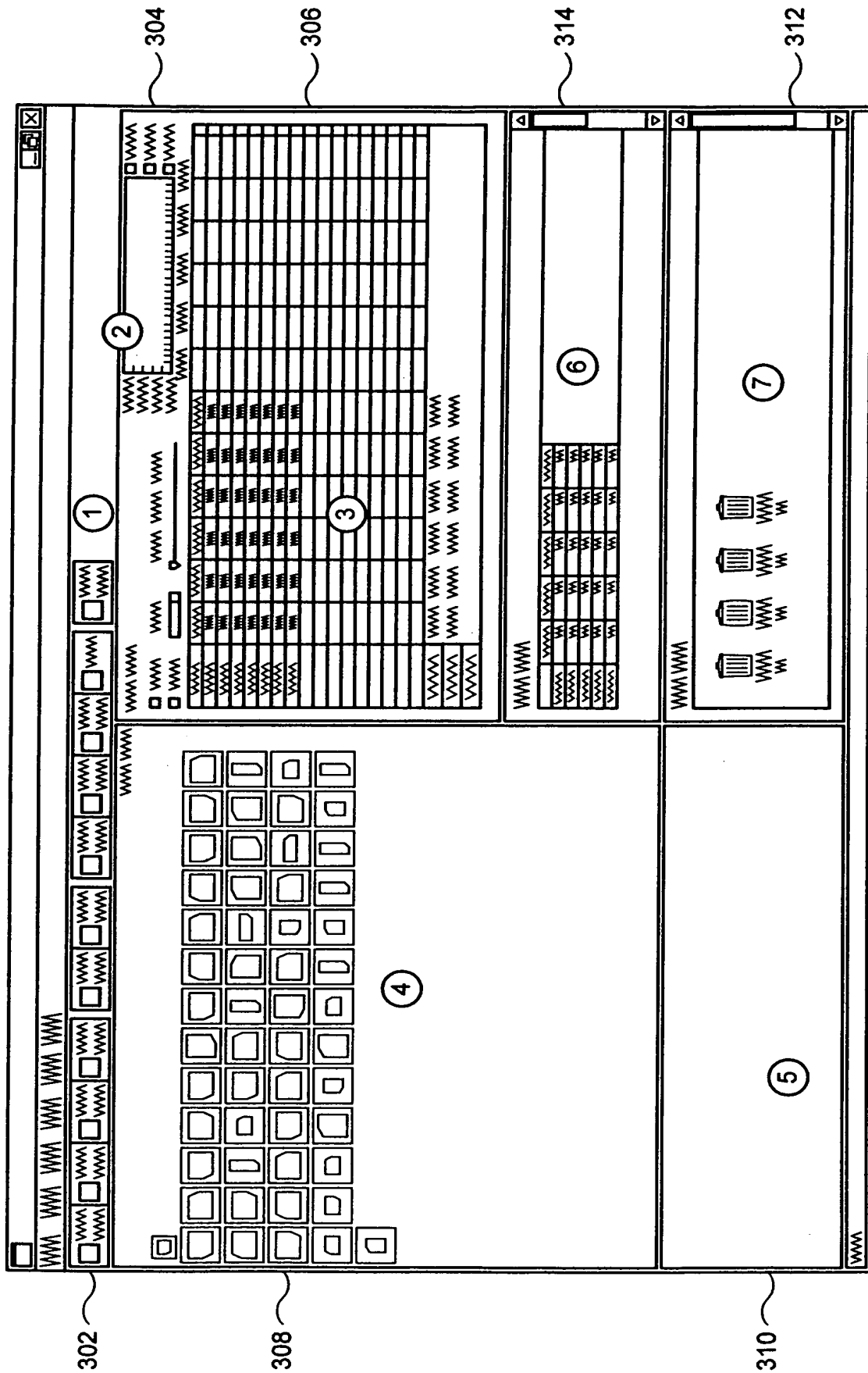
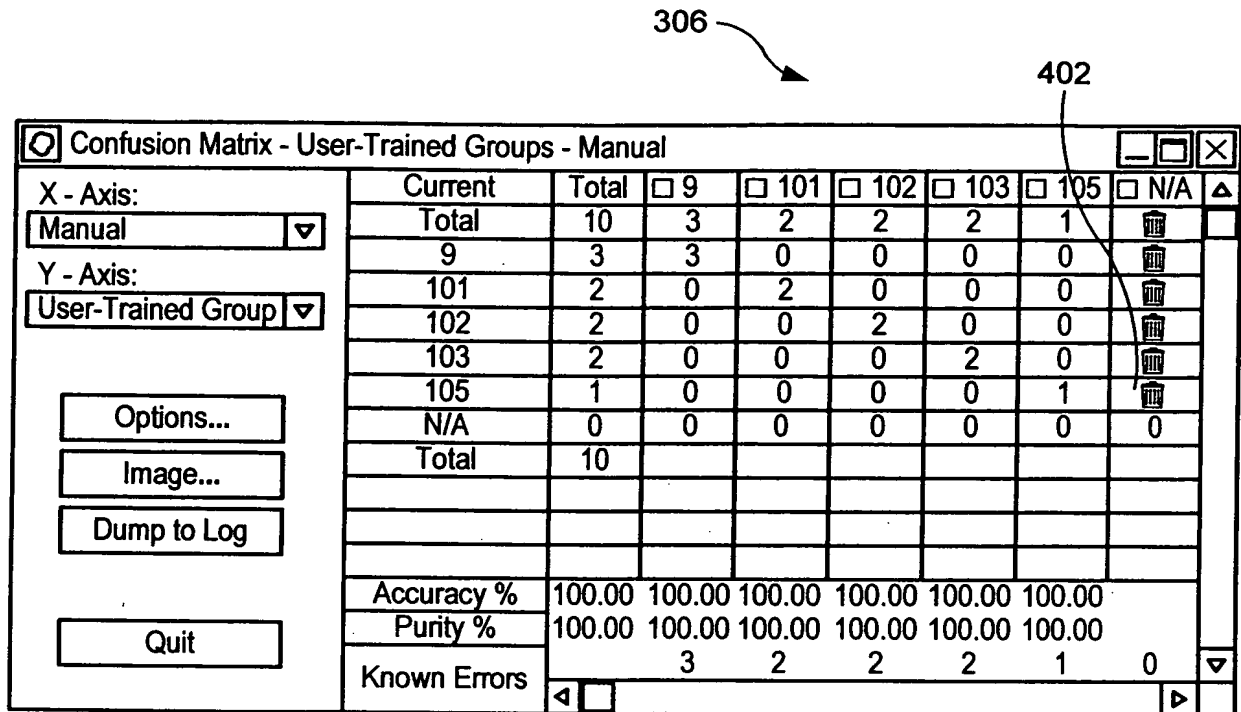


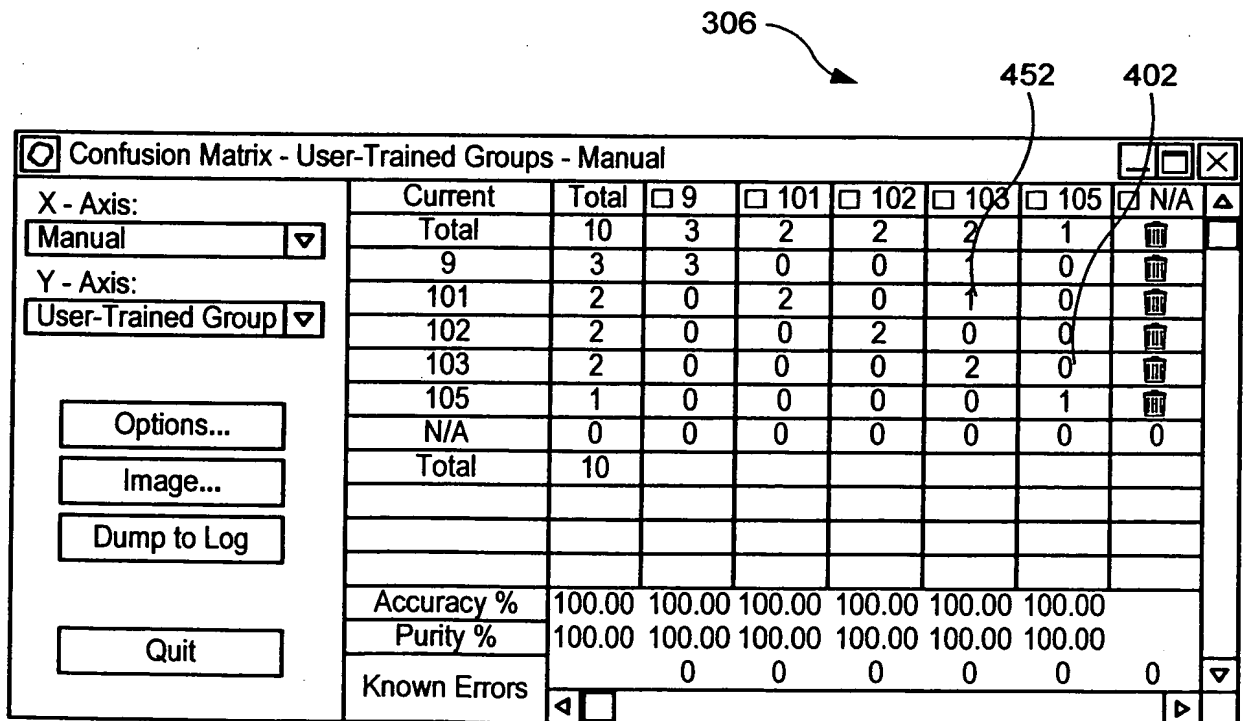
Fig. 2



Smart Gallery window
 Fig. 3



Confusion Matrix (Defects in Agreement)
Fig. 4(a)



Confusion Matrix (Known Errors)
Fig. 4(b)

502

Sort Properties

Working Set **Training Set**

Primary Key

- ☒ Lot - Wafer
- ☐ Manual Bin
- ☐ Suggested Bin
- ☐ Size

Secondary Key

- ☐ Lot - Wafer
- ☐ Manual Bin
- ☐ Suggested Bin
- ☐ Size

OK **Reset** **Cancel**

Fig. 5(a)

552

Sort Properties

Working Set **Training Set**

Primary Key

☐ Lot - Wafer

☒ Manual Bin

☐ Suggested Bin

☐ Size

Secondary Key

☐ Lot - Wafer

☐ Manual Bin

☐ Suggested Bin

☐ Size

OK **Reset** **Cancel**

Fig. 5(b)

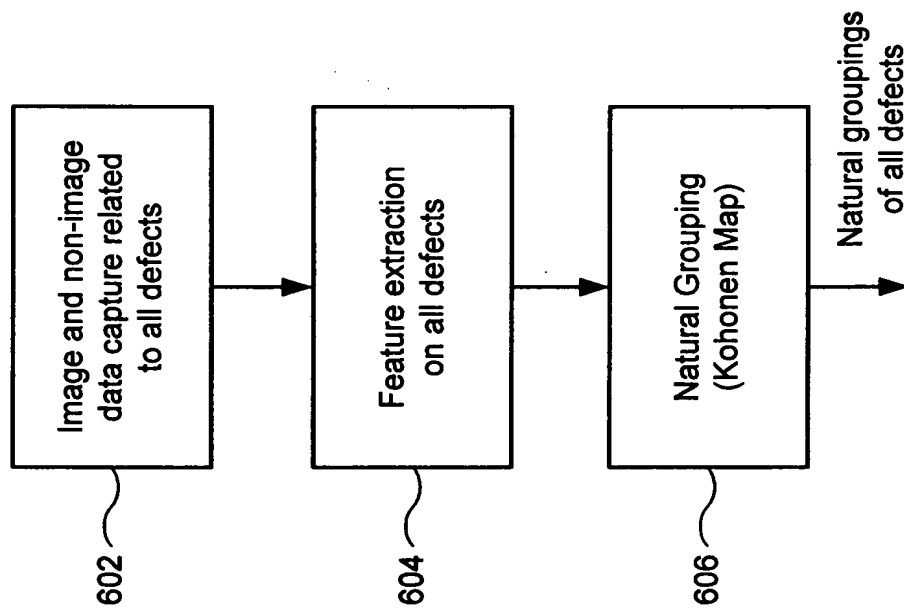


Fig. 6(a)

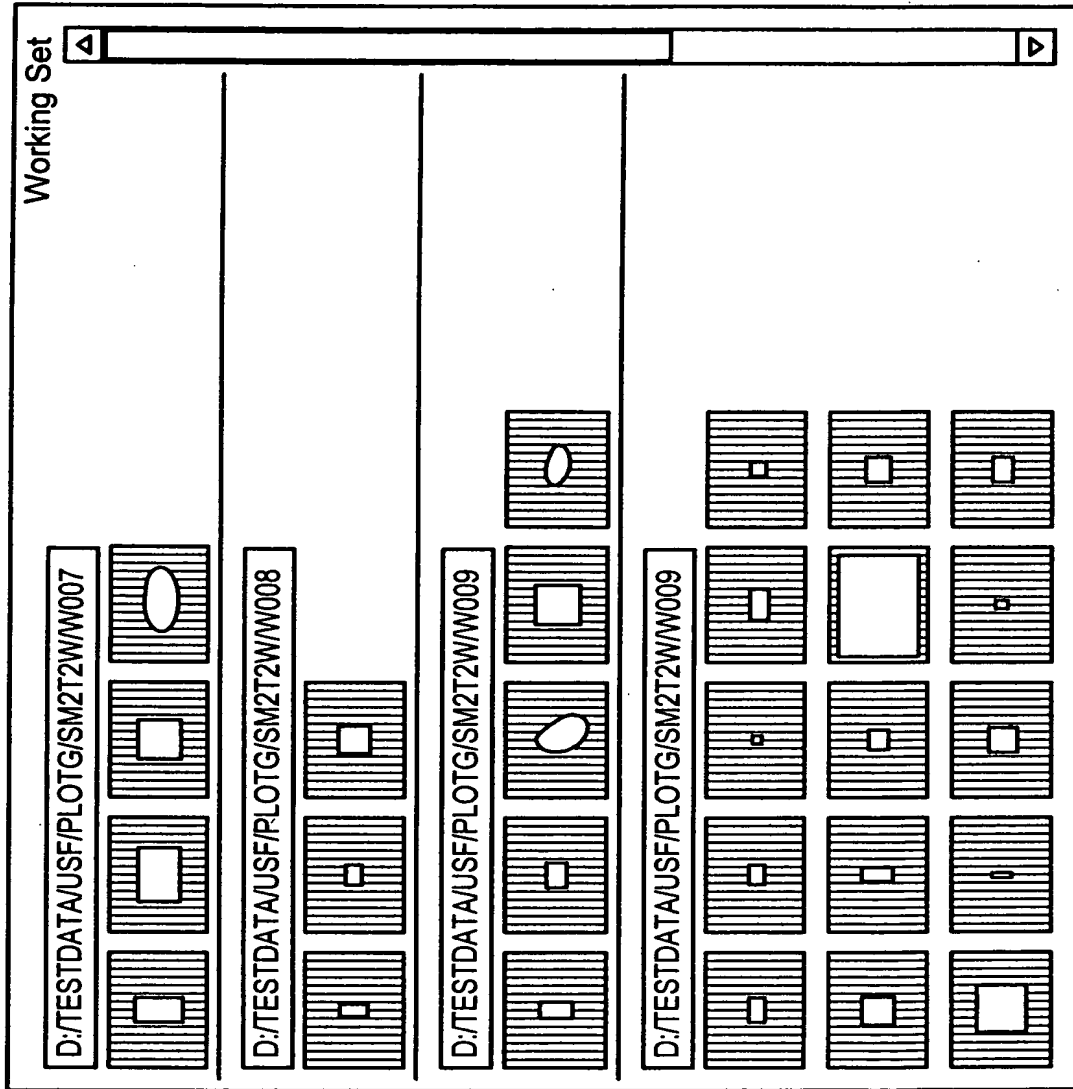


Fig. 6(b)

312

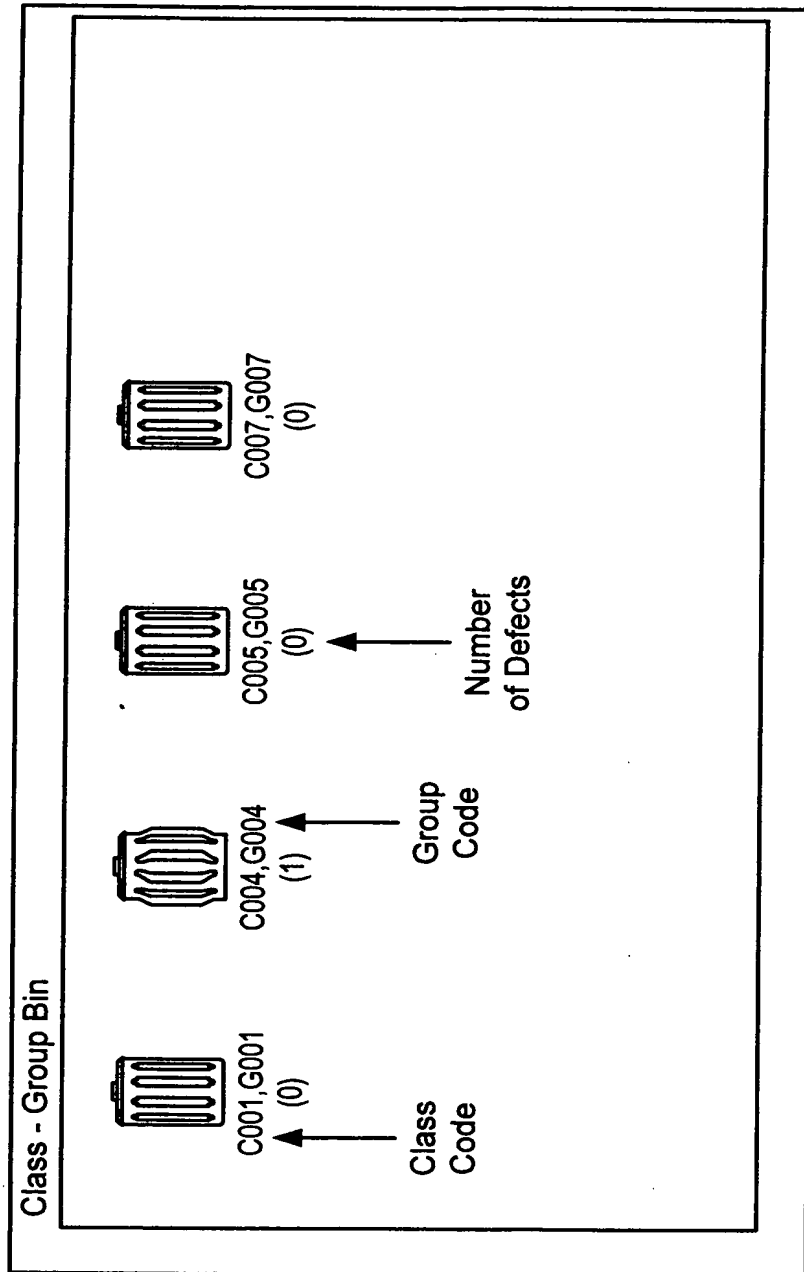


Fig. 7

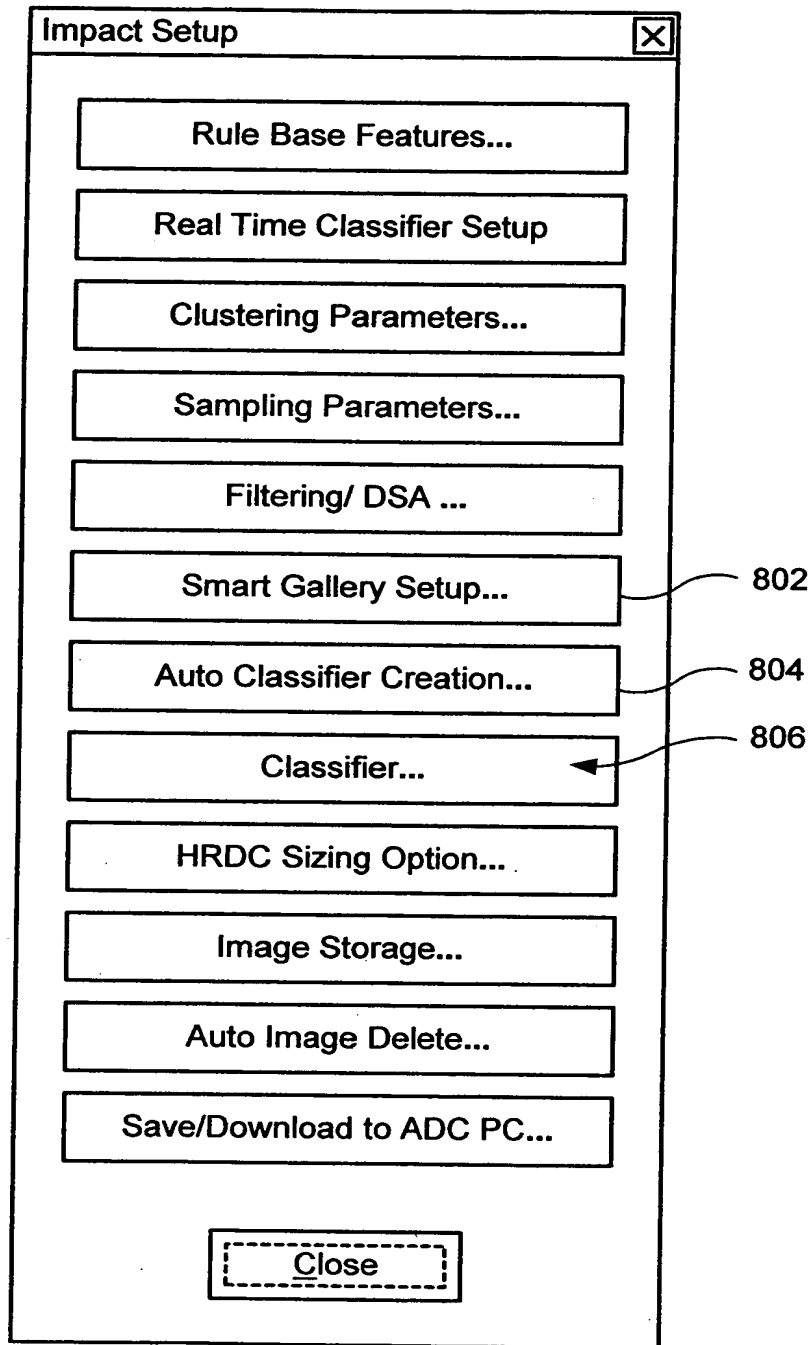


Fig. 8

The image shows a software window titled "HRDC Classifier" with a close button (X) in the top right corner. The interface contains several buttons and status fields. On the left side, there are five numbered callouts: 902, 904, 906, 908, and 910. On the right side, there are two more numbered callouts: 912 and 914. The interface is organized into sections. The top section has a button "Add Defects..." (902) and status fields "Maps opened: 0" and "Defects added: 0". The middle section has a button "Auto Features" (904) with a checkbox "Select best set in" (checked), a text box "15" followed by "min", and status fields "No. of features to select: 80" and "No. of features selected: 0" with a "Clear" button. Below this is a button "Train" (906) and a status field "Defects to be trained: 0". The "Filtering" section (908) contains three buttons: "Remove Group...", "Remove Defects...", and "Filter Defects". To the right of these buttons are status fields: "Defects removed: 0", "Defects 0", and "Min defs/class: 0". The bottom section has a button "Adjust Confidence" (910) with a checked checkbox "Adjust confidence manually", a button "Test (Training Set)" (912), a checkbox "Characterize", and a button "Test (Other)..." (914). At the very bottom is a dashed button labeled "Close".

HRDC Classifier [X]

902 **Add Defects...** **Maps opened:** 0
Defects added: 0

904 **Auto Features** ☒ **Select best set in** 15 min
No. of features to select: 80
No. of features selected: 0 **Clear**

906 **Train** **Defects to be trained:** 0

908 **Filtering**

Remove Group... **Defects removed:** 0
Remove Defects... **Defects** 0
Filter Defects **Min defs/class:** 0

910 **Adjust Confidence** ☒ **Adjust confidence manually**

912 **Test (Training Set)** ☐ **Characterize**

914 **Test (Other)...**

Close

Fig. 9

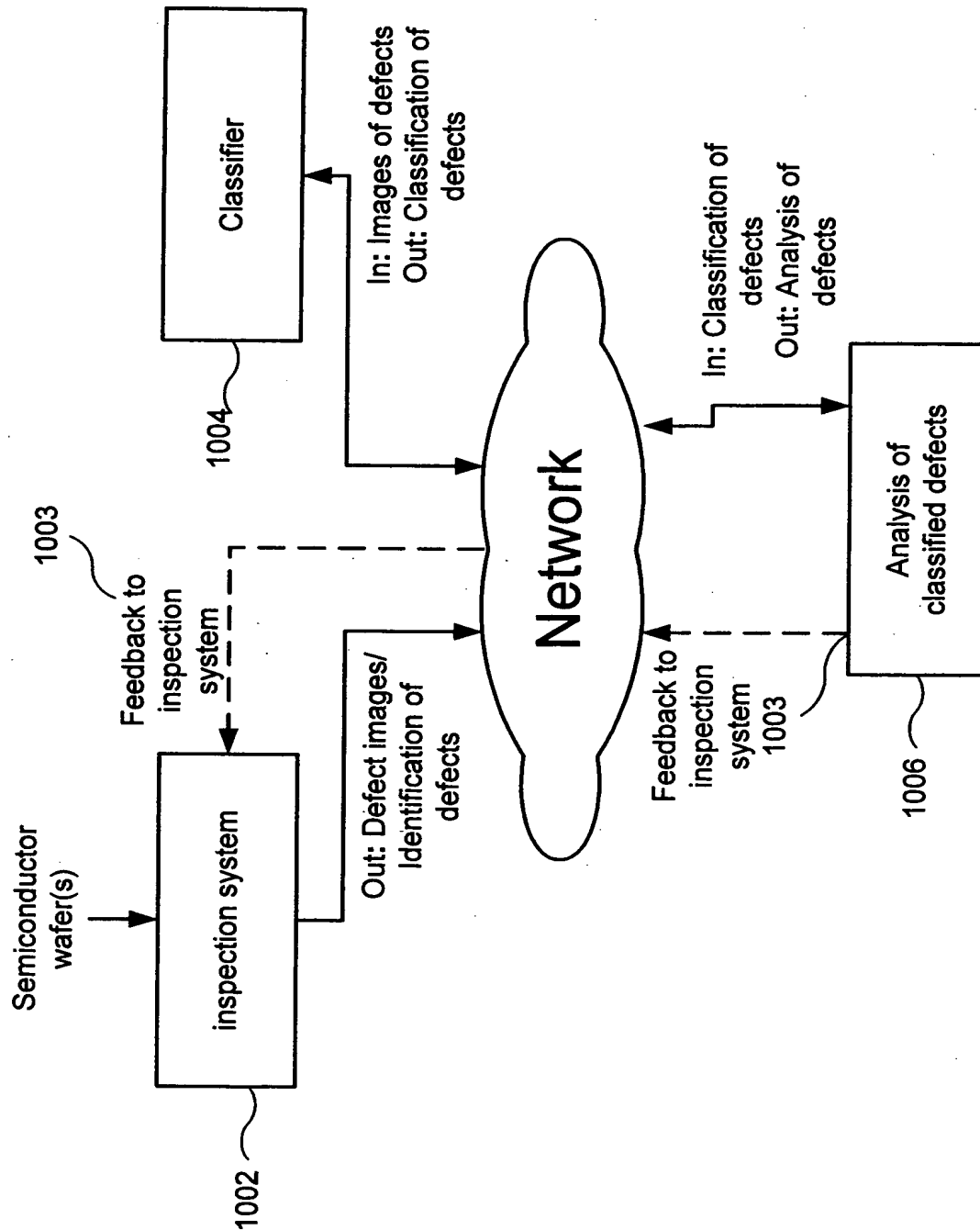


Fig. 10(a)

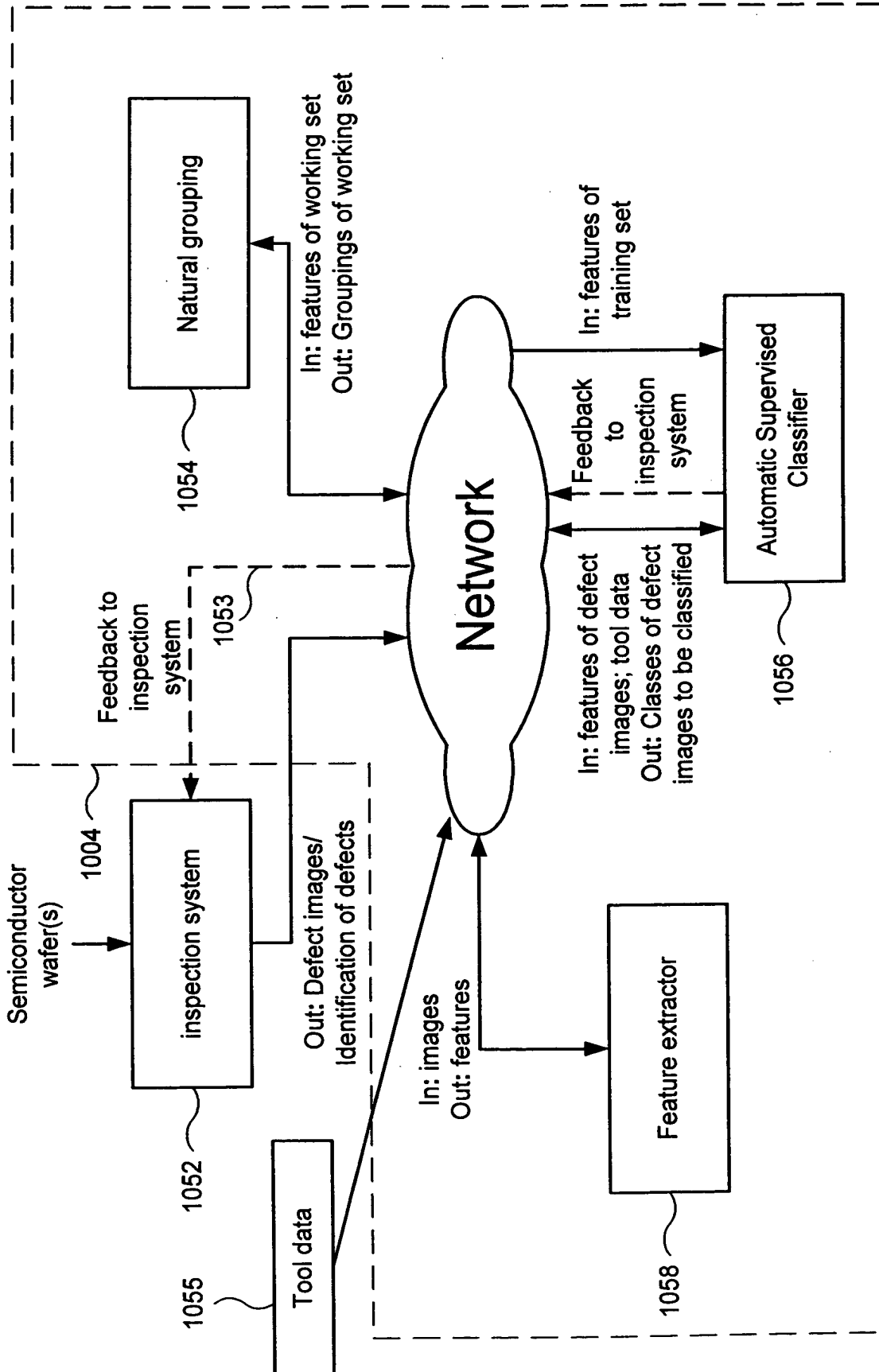


Fig. 10(b)

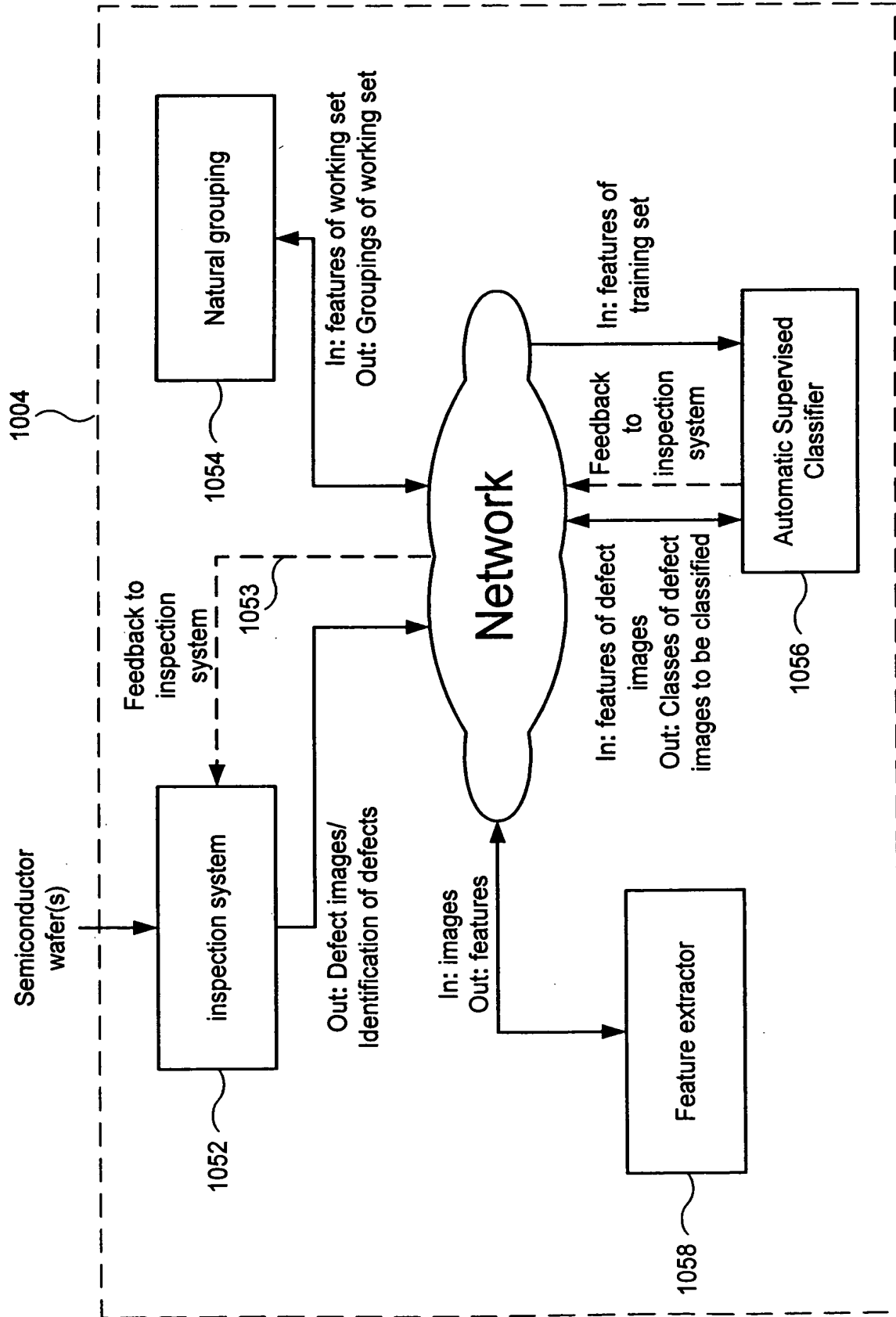


Fig. 10(c)